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AIP
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A Group of Ternary Semiconducting Compounds, by
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E. K. Belova, 3 pp.

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VOL. 137, NOS. 1-6. Nov 62, 1v.
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Trans. of Akademiya Nauk SSSR. (Doklady), 1961,
v. 137, no. 1, p. 72-82, 135-183; no. 2, p. 327-330,
373-414; no. 3, p. 572-583, 657-694; no. 4, p. 844-
851, 915-950, 957-960; no. 5, p. 1098-1105, 1166-
1213; no. 6, p. 1427-1447.

DESCRIPTORS: Earth, *Geochemistry, *Geology,
*Geophysics, *Hydrology, *Stratigraphy, *Miner-
alogy, *Paleoecology, *Petrology.

(Earth Sciences, TT, v. 10, no. 3)

61-12491-137

I. American Geological
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Office of Technical Services

(DC-6224)

The Long-Range Prediction of Anomalies of
Vertical Velocities of Air Movement Over
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JPRS 8959

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Sci - Geophys

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(DC-6224)

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Vol CXXXVII *NO 1*
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JPRS 8959

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REFINING THE VALUES OF THE CONSTANTS IN
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[5]p. 21 refs.

Order from OTS or SLA \$1.10

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Trans. of Akad[emiya] Nauk SSSR. (Doklady, 1961,
v. 137, no. 1, p. 109-110.

DESCRIPTORS: *Heat of formation, Combustion,
*Pentanes, Liquids, Gases, *Butanes, Methyl
radicals, *Hexanes, *Heptanes.

(Chemistry--Physical, TT, v. 9, no. 12)

63-13859

- I. Skuratov, S. M.
- II. Shtekher, S. M.
- III. Translations, New York
- IV. Tatevskii, V. M.

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Initiation of Polymerization With Electric Charges
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NLL M. 3436

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Order from OTS or SLA \$1.10 63-13863

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961,
v. 137 [no. 1] p. 120-122.

DESCRIPTORS: Chemical reactions, *Hydrogen
peroxide, Water, Hydroxides, *Reaction kinetics,
*Chemical equilibrium, Oxides,

(Chemistry--Physical, TT, v. 9, no. 12)

I. Kondrat'ev, V. N.
II. Translations, New York

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SLA 61-3/556

Sci - Chem
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TIL/T 5257

NLL M.3520

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Sci - Min/Met

Jan 62

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Order from ATS \$7.55

ATS-34N54R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 137, no. 1, p. 154-157.

DESCRIPTORS: *Paleoecology, Magnetism, Climate,
USSR.

(Earth Sciences--Geology, TT, v. 7, no. 4)

62-12084

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- II. Khranov, A. N.
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Services, Inc., East
Orange, N. J.

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Range, by M. N. Chugayeva.

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JE3 E57 No 66

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Sci - Geophys

OTS 62-15738

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Trans. of Akad[emiya] Nauk SSSR, (Doklady), 1961, v. 137, no. 1, p. 162-165.

DESCRIPTORS: *Geophysical prospecting, *Petroleum, Natural gas, Deposits, *Hydrocarbons, Hydrology.

(Earth Sciences--Geology, TT, v. 7, no. 3)

I. Kortsenshtein, V. N.
II. ATS-35N55R
III. Associated Technical Services, Inc.,
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MIL M 3972

Sci M/M
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Plakunova, V. G.
SUR LA POSSIBILITE DE REGULATION DU pH DU
MILIEU AU COURS DU DEVELOPPEMENT DES
MICROORGANISMES A L'AIDE DES RESINES
ECHANGEUSES d'IONS (Vozmozhnosti Regulirovaniya
pH Sredy po Khodu Razvitiya Mikroorganizmov
s Pomoshch'yu Ionoobmennyykh Smol) (The Possibility
of Regulating the pH of the Medium in the Course of
the Development of the Micro-organisms by the Aid
of the Ion Exchange Resins). 9p. (foreign text included)
2 refs. F/R-2600. (text in French).
Order from OTS or ETC \$1.55

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Trans. of Akademiya Nauk SSSR, Doklady, 1961,
v. 137, no. 1, p. 189-191.

DESCRIPTORS: *Microorganisms, Growth, *Hydrogen
ion concentration, Resins, Ion exchange resins.

62-28010

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Office of Technical Services

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Nos 1-3, 1961, pp 196-198.

SWR 61-22629

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61-28322

Kholmogorov, V. E. and Terenin, A. N.
LIGHT-INDUCED ESR (SIGNAL) IN CRYSTALLINE
CHLOROPHYLL IN THE PRESENCE OF WATER
VAPOR. 31 July 61, 9p. 9 refs.
Order from OTS or SLA \$1.10 UCRL Trans-693

Trans. of Akademiya Nauk SSSR, Doklady, 1961,
v. 137, no. 1, p. 199-202.

DESCRIPTORS: *Water vapor, *Chlorophylls, USSR,
Photoconductivity, Plant pigments, Photosynthesis,
Regeneration, Plants, Growth, *Light, Physiology

The presence of dark and light ESR signals, in crys-
talline and amorphous chlorophyll was disclosed in
connection with measurements that were carried out
simultaneously on photoconductivity and photoelectro-
motive force in natural and synthetic pigments. The
light-induced ESR signal would disappear, reversibly
(Agriculture-Plant Cultivation, TT, v. 6, no. 12)(over)

I. Kholmogorov, V. E.
II. Terenin, A. N.
III. UCRL Trans-693
IV. Lawrence Radiation Lab.,
U. of California,
Berkeley

HIP
Saw file
Vol VI, No 3
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V. I. Arnol'd, 3 pp.

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An Iterative Method of Solution of the Problem of
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The Set of Solutions of a Linear Differential
Equation, by M. K. Gavurin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII,
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Amer Math Soc
Sov Math
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Certain Properties of Summability Methods, by
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXXVII,
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Nos 1-6, 1961; pp 269-271.

Amer Math Soc
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